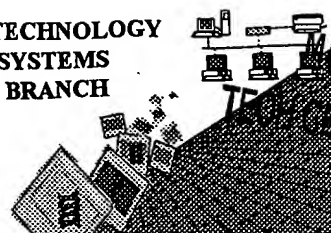


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



#13

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/660,302B
Source: 01R
Date Processed by STIC: 5/1/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIKE

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

pp 1,6

Does Not Comply
Corrected Diskette Needed

1 <110> APPLICANT: Universiteit Utrecht
 2 Strous, Gerardus
 3 Van Kerkhof, Petrus
 4 Govers, Roland
 6 <120> TITLE OF INVENTION: CONTROLLING AVAILABILITY OR ACTIVITY OF PROTEINS BY USE OF
 PROTEASE
 7 INHIBITORS OR RECEPTOR FRAGMENTS
 9 <130> FILE REFERENCE: 2183-4525US
 11 <140> CURRENT APPLICATION NUMBER: US/09/660,302B
 12 <141> CURRENT FILING DATE: 2002-04-15
 14 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00136
 15 <151> PRIOR FILING DATE: 1999-03-12
 17 <150> PRIOR APPLICATION NUMBER: EP98200799.9
 18 <151> PRIOR FILING DATE: 1998-03-12
 20 <160> NUMBER OF SEQ ID NOS: 50
 22 <170> SOFTWARE: PatentIn version 3.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 8
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Unknown organism
 29 <220> FEATURE:
 30 <221> NAME/KEY: BINDING
 31 <222> LOCATION: (1)..(8)
 32 <223> OTHER INFORMATION: synthetic peptide, Binding polypeptide motif
 34 <220> FEATURE:
 35 <221> NAME/KEY: MISC_FEATURE
 36 <222> LOCATION: (2)..(2)
 37 <223> OTHER INFORMATION: The amino acid E can be replaced by D
 39 <220> FEATURE:
 40 <221> NAME/KEY: MISC_FEATURE
 41 <222> LOCATION: (3)..(3)
 42 <223> OTHER INFORMATION: The amino acid F can be replaced by Y
 44 <220> FEATURE:
 45 <221> NAME/KEY: MISC_FEATURE
 46 <222> LOCATION: (4)..(4)
 47 <223> OTHER INFORMATION: The amino acid I can be replaced by L, V or F
 49 <220> FEATURE:
 50 <221> NAME/KEY: MISC_FEATURE
 51 <222> LOCATION: (7)..(7)
 52 <223> OTHER INFORMATION: The amino acid D can be replaced by E
 54 <400> SEQUENCE: 1
 W--> 55 Xaa Glu Phe Ile Xaa Xaa Asp Xaa
 56 1 5
 58 <210> SEQ ID NO: 2

Glu can only
represent itself,
nothing else. Use
Xaa and explain
in <220>-<223>
section

same error

same

same error

see item 9 on Error summary sheet

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

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59 <211> LENGTH: 12
60 <212> TYPE: PRT
61 <213> ORGANISM: Unknown Organism
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Unsure, Growth hormone receptor binding motif, Binds to
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65     and ubiquitin
67 <400> SEQUENCE: 2
68 Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
69 1             5             10
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 10
73 <212> TYPE: PRT
74 <213> ORGANISM: Unknown Organism
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Binds to hormone
receptor and
78     ubiquitin
80 <400> SEQUENCE: 3
81 Asp Ser Trp Val Glu Phe Ile Glu Leu Asp
82 1             5             10
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 129
86 <212> TYPE: PRT
87 <213> ORGANISM: Unknown organism
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Up-regulates GH
activity
92 <400> SEQUENCE: 4
93 Ser Lys Gln Gln Arg Ile Lys Met Leu Ile Leu Pro Pro Val Pro Val
94 1             5             10             15
95 Pro Lys Ile Lys Gly Ile Asp Pro Asp Leu Leu Lys Glu Gly Lys Leu
96             20             25             30
97 Glu Glu Val Asn Thr Ile Leu Ala Ile His Asp Ser Tyr Lys Pro Glu
98             35             40             45
99 Phe His Ser Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile Asp
100             50             55             60
101 Glu Pro Asp Glu Lys Thr Glu Glu Ser Asp Thr Asp Leu Leu Ser Ser
102 65             70             75             80
103 Asp His Glu Lys Ser His Ser Asn Leu Gly Val Lys Asp Gly Asp Ser
104             85             90             95
105 Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu Glu Thr Asp Phe Asn
106             100            105            110
107 Ala Asn Asp Ile His Glu Gly Thr Ser Glu Val Ala Gln Pro Gln Arg
108             115            120            125
109 Leu
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 38
113 <212> TYPE: PRT
114 <213> ORGANISM: Unknown organism
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Unsure, Derived from protein receptor, Up-regulates GH
activity

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/660,302B

DATE: 05/01/2002
 TIME: 12:21:57

Input Set : A:\PTO.VSK.txt
 Output Set: N:\CRF3\05012002\I660302B.raw

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119 <400> SEQUENCE: 5
120 Lys Asp Gly Asp Ser Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu
121 1 5 10 15
122 Glu Thr Asp Phe Asn Ala Asn Phe Ile His Glu Gly Thr Ser Glu Val
123 20 25 30
124 Ala Gln Pro Gln Arg Leu
125 35
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 10
129 <212> TYPE: PRT
130 <213> ORGANISM: Unknown organism
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Unsure, Glut4 Ins-regulated glucose transporter binding
motif, Binds to
134 ubiquitin/proteasome system binding site
136 <400> SEQUENCE: 6
137 Thr Glu Leu Glu Tyr Leu Gly Pro Asp Glu
138 1 5 10
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 7
142 <212> TYPE: PRT
143 <213> ORGANISM: Unknown organism
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Unsure, Binding poly-peptide motif, Binds to
ubiquitin/proteasome system
147 binding site
149 <400> SEQUENCE: 7
150 Cys Glu Glu Asp Phe Tyr Arg
151 1 5
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 10
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens (human) or Lepus unknown species (rabbit)
158 <220> FEATURE:
159 <223> OTHER INFORMATION: GHR sequence
161 <400> SEQUENCE: 8
162 Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
163 1 5 10
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 10
167 <212> TYPE: PRT
168 <213> ORGANISM: Gallus gallus (chicken)
170 <220> FEATURE:
171 <223> OTHER INFORMATION: GHR
173 <400> SEQUENCE: 9
174 Leu Trp Val Glu Phe Ile Glu Leu Asp Ile
175 1 5 10
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens (human)

```

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

182 <220> FEATURE:
 183 <223> OTHER INFORMATION: prolactin receptor
 185 <400> SEQUENCE: 10
 186 Leu Leu Val Glu Tyr Leu Glu Val Asp Asp
 187 1 5 10
 189 <210> SEQ ID NO: 11
 190 <211> LENGTH: 10
 191 <212> TYPE: PRT
 192 <213> ORGANISM: Lepus unknown species (rabbit), Rattus unknown species (rat), Mus
 W--> 193 musculus (mouse)
 195 <220> FEATURE:
 196 <223> OTHER INFORMATION: prolactin receptor
 198 <400> SEQUENCE: 11
 199 Leu Leu Val Glu Phe Leu Glu Asn Asp Asp
 200 1 5 10
 202 <210> SEQ ID NO: 12
 203 <211> LENGTH: 10
 204 <212> TYPE: PRT
 205 <213> ORGANISM: Unknown organism
 207 <220> FEATURE:
 208 <223> OTHER INFORMATION: Unsure, vertebrate skeletal muscle
 210 <400> SEQUENCE: 12
 211 Asp Asn Val Asp Tyr Leu Thr Arg Asp Trp
 212 1 5 10
 214 <210> SEQ ID NO: 13
 215 <211> LENGTH: 10
 216 <212> TYPE: PRT
 217 <213> ORGANISM: Unknown organism
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: Unsure, FGF Receptor Family
 222 <400> SEQUENCE: 13
 223 Gln Ala Ala Glu Tyr Leu Arg Ser Glu Thr
 224 1 5 10
 226 <210> SEQ ID NO: 14
 227 <211> LENGTH: 10
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Unknown organism
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Unsure, Transmembrane receptor sex precursor
 234 <400> SEQUENCE: 14
 235 Ile Asp Ala Glu Tyr Ile Ser Ala Glu Arg
 236 1 5 10
 238 <210> SEQ ID NO: 15
 239 <211> LENGTH: 10
 240 <212> TYPE: PRT
 241 <213> ORGANISM: Unknown organism
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: Unsure, IgE Receptor
 246 <400> SEQUENCE: 15

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

```

247 Leu Lys Gly Glu Phe Ile Trp Val Asp Gly
248 1          5          10
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 10
252 <212> TYPE: PRT
253 <213> ORGANISM: Unknown organism
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Unsure, ANGIOTENSIN CONVERTING ENZYME
258 <400> SEQUENCE: 16
259 Tyr Gly Ser Glu Tyr Ile Asn Leu Asp Gly
260 1          5          10
262 <210> SEQ ID NO: 17
263 <211> LENGTH: 10
264 <212> TYPE: PRT
265 <213> ORGANISM: Unknown organism
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Unsure, POTASSIUM CHANNEL IRK
270 <400> SEQUENCE: 17
271 Ser Glu Gly Glu Tyr Ile Pro Leu Asp Gln
272 1          5          10
274 <210> SEQ ID NO: 18
275 <211> LENGTH: 10
276 <212> TYPE: PRT
277 <213> ORGANISM: Unknown organism
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Unsure, PDGF RECEPTOR ALPHA-CHAIN
282 <400> SEQUENCE: 18
283 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
284 1          5          10
286 <210> SEQ ID NO: 19
287 <211> LENGTH: 10
288 <212> TYPE: PRT
289 <213> ORGANISM: Unknown organisms
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Unsure, PDGF RECEPTOR BETA-CHAIN
294 <400> SEQUENCE: 19
295 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
296 1          5          10
298 <210> SEQ ID NO: 20
299 <211> LENGTH: 10
300 <212> TYPE: PRT
301 <213> ORGANISM: Homo sapiens (human), Lepus unknown species (rabbit), Rattus unknown
W--> 302 species (rat)
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Ca++ -channel
307 <400> SEQUENCE: 20
308 Asp Asn Phe Glu Tyr Leu Thr Arg Asp Ser
309 1          5          10
311 <210> SEQ ID NO: 21

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/660,302B

DATE: 05/01/2002
TIME: 12:21:58

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\05012002\I660302B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,5,6,8
Seq#:50; Xaa Pos. 4

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 64
Seq#:7; Line(s) 146